

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Mitchell W. MUTZ et al.

Confirmation No.: 6490

Serial No.: 10/010,972

Group Art Unit: 2861

Filing Date: December 4, 2001

Examiner: Kristal J. FEGGINS

Title: ACOUSTIC ASSESSMENT OF FLUIDS IN A PLURALITY OF RESERVOIRS

**FOURTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT AND  
CERTIFICATION UNDER 37 CFR § 1.97(e)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

This is a Fourth Supplemental Information Disclosure Statement submitted for the Examiner's consideration. Applicants respectfully request that the Examiner review and make of record the references identified below.

The references listed below are being submitted to the Office promptly after they have become known to applicants and are being submitted prior to the final determination on patentability by the Office.

The references listed below were cited in an International (PCT) Examination Report dated January 7, 2004, for the PCT application corresponding to the above-identified U.S. patent application. A copy of the Search Report, including an indication of the purported relevance of the cited references, is enclosed. Copies of the references are also submitted herewith.

A PTO-1449 form listing the references accompanies this paper. Applicants would appreciate the Examiner's initialing and returning the form to indicate that the references have been reviewed and made of record. The references are as follows:

U.S. PATENT DOCUMENTS		
Document No.	Issue Date or Publication Date	Name of Patentee or Applicant
6,048,050	4/11/00	Gundlach et al.
6,196,664	3/6/01	Kanda et al.
6,312,121	11/6/01	Smith et al.
6,328,421	12/11/01	Kojima et al.

U.S. PATENT DOCUMENTS		
Document No.	Issue Date or Publication Date	Name of Patentee or Applicant
6,336,707	1/8/02	Asai et al.
6,364,454	4/2/02	Hadimioglu
6,467,877	10/22/02	Ellson

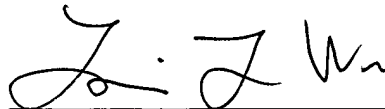
This Fourth Supplemental Information Disclosure Statement is not intended as a representation that additional information material to the examination of this application does not exist or that any of the above references constitutes prior art to the present application within the meaning of 35 USC § 102.

As this Fourth Supplemental Information Disclosure Statement is being filed within three months of the date of the International Examination Report (i.e, January 7, 2004), no fee is required at this time. If, for any reason, a fee is found to be necessary, our Deposit Account No. 18-0580 may be charged therefor.

The undersigned hereby certifies that each item of information contained in this Fourth Supplemental Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement (37 CFR § 1.97(e)(1)).

Respectfully submitted,

By:



Louis L. Wu

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Substitute for form 1449A/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

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of

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Complete if Known

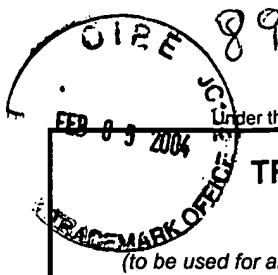
Application Number	10/010,972
Filing Date	December 4, 2001
First Named Inventor	Mitchell W. MUTZ et al.
Art Unit	2861
Examiner Name	Kristal J. FEGGINS
Attorney Docket Number	7610-0047

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	Document No.	Issue Date or Publication Date	Name of Patentee or Applicant of Cited Document	Class	Subclass	Filing Date if Appropriate
	BF	6,048,050	4/11/00	Gundlach et al.			
	BG	6,196,664	3/6/01	Kanda et al.			
	BH	6,312,121	11/6/01	Smith et al.			
	BI	6,328,421	12/11/01	Kojima et al.			
	BJ	6,336,707	1/8/02	Asai et al.			
	BK	6,364,454	4/2/02	Hadimioglu			
	BL	6,467,877	10/22/02	Ellson			

Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



B 2861

PTO/SB/21 (08-03)

Approved for use through 08/30/2003. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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<b>TRANSMITTAL FORM</b> (to be used for all correspondence after initial filing)	Application Number	10/010,972
	Filing Date	December 4, 2001
	First Named Inventor	Mitchell W. MUTZ
	Art Unit	2861
	Examiner Name	Kristal J. FEGGINS
	Attorney Docket Number	7610-0047

ENCLOSURES (Check all that apply)		
<input checked="" type="checkbox"/> No fee due <input type="checkbox"/> Fee Transmittal	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to a Technology Center (TC)
<input type="checkbox"/> Fee(s) due <input type="checkbox"/> Fee Transmittal <input type="checkbox"/> Check for \$0	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input checked="" type="checkbox"/> Charge any underpayment or credit any overpayment to Deposit Account No. 18-0580	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input checked="" type="checkbox"/> Return postcard	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Power of Attorney, Revocation, Change of Correspondence Address	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	<input type="checkbox"/> Other Enclosure(s) (please identify below):
<input checked="" type="checkbox"/> Fourth Supplemental Information Disclosure Statement & Form PTO-1449	<input type="checkbox"/> Request for Refund	
<input checked="" type="checkbox"/> International Search Report and copies of cited references (BF-BL)	<input type="checkbox"/> CD, Number of CD(s):	
<input type="checkbox"/> Certified Copy of Priority Document(s)	<b>Remarks:</b> The Commissioner is hereby authorized to charge any additional or underpayment of fee(s) to Deposit Account No. 18-0580.	
<input type="checkbox"/> Response to Missing Parts / Incomplete Application		
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm or Individual Name (print/type)	Louis L. Wu, Reg. No. 44,413 Reed & Eberle LLP	Telephone	(650) 330-0900
Signature	<i>L. L. Wu</i>	Date	February 3, 2004

CERTIFICATE OF TRANSMISSION/MAILING			
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.			
Name (print/type)	Margaret K. Surridge	Date	February 3, 2004
Signature	<i>Margaret K. Surridge</i>		